Mikrochimica Acta

An International Journal
for Physical and Chemical Methods of Analysis

Editorial Board:
F. S. Etz, Washington, D. C.
H. Grasserbauer, Wien
F. S. Ma, New York
A. Mizuike, Nagoya
W. Simon, Zürich
G. Tölg, Dortmund
H. K. Zacherl, Wien (Managing Editor)

1983 II
ISSN 0026-3672

Springer-Verlag
Wien New York

Mikrochimica Acta

Advisory Board:

R. A. Chalmers, Aberdeen (Chairman)

W. A. Aue, Halifax
G. den Boef, Amsterdam
K. Furuya, Tokyo
G. Guiochon, Palaiseau
H. Hatano, Kyoto
J. B. Headridge, Sheffield
K. F. J. Heinrich, Washington, D. C.
G. Horlick, Edmonton
J. Hoste, Gent
J. F. K. Huber, Wien
A. Hulanicki, Warszawa
A. Ivaska, Turku
G. Johansson, Lund
R. Kellner, Wien
D. Klockow, Dortmund
L. Kosta, Ljubljana
H. Kriegsmann, Berlin-Adlershof
B. Magyar, Zürich
W. Merz, Ludwigshafen a. Rh.
J. W. Mitchell, Murray Hill, N. J.
H. W. Nürnberg, Jülich
E. Pella, Milano
E. Pungor, Budapest
J. Růžička, Lyngby
E. Sawicki, Raleigh, N. C.
M. Tanaka, Nagoya
Klára Tóth, Budapest
W. Wegscheider, Graz
H. Weisz, Freiburg i. Br.
T. S. West, Aberdeen
Yu. A. Zolotov, Moscow

The exclusive copyright for all languages and countries, including the right for photomechanical and any other reproductions including microform is transferred to the publisher

© 1983 by Springer-Verlag/Wien

Contents

No. 1-2

Sontag, Gerhard, und **Eduard Frank.** Charakteristik eines amperometrischen Durchflußdetektors mit zwei bzw. drei Elektroden 1

Characteristic of an Amperometric Flow-Through Detector with Two or Three Electrodes

Wei, Fu-sheng, Quing-gao Song, Fang Yin, and **Nai-kui Shen.** Spectrophotometric Determination of Iron in Aluminium Alloys Using 2-(5-Bromo-2-pyridylazo)-5-diethylaminophenol 17

Hassan, Saad S. M. Laser-Raman and Infrared Spectroscopic Characterization of Some Lanthanide-peri-Dihydroxynaphthindenone Chelates 23

Weitkamp, Horst, und **Dieter Wortig.** Vollautomatische Identitätsprüfung von Arzneimitteln durch rechnergekoppelte IR-Spektroskopie 31

Completely Automatic Identity Test of Drugs by Computer Controlled IR-Spectrometry

Timotheou-Potamia, M. M., and **T. P. Hadjiioannou.** Catalytic Titration of Iodide in Table Salts 59

Beaupré, P. W., W. J. Holland, L. T. Dupuis, and **S. B. Horner.** Alkyl Ketoximes as Analytical Reagents. XXI. 65

Nakamura, Motoshi. Modified Method for the Spectrophotometric Determination of Nitrate in Drinking Water with 4,5-Dihydroxycoumarin 69

Yoda, Reiko, Yuichi Yamamoto, and **Yukio Murakami.** N,N-Dimethyl-N′-(4-p-nitrophenyl-5-nitro-2-thiazolyl)thiourea. A New Chelating Agent for Palladium 75

Ceba, M. Román, A. Fernandez-Gutiérrez, and **M. C. Mahedero.** Fluorimetric Determination of Mg(II) Traces with 1,8-Dihydroxyanthraquinone 85

Bruno, P., M. Caselli, and **A. Traini.** Hexamethylphosphoramide (HMPA) as a Colour-Enhancing Agent for the Thiocyanate Cobalt Complex. New Spot Test for Cobalt Detection 95

Konuma, Hiroyoshi. Rate of Carbon Contamination on Copper, Iron and Aluminium Targets in Gas Flows by an Electron Microprobe 99

Schütz, H., und **S. Suphachearabhan.** Infrarot-Spektroskopie von Benzodiazepinen und ihren Derivaten nach dünnschichtchromatographischer Trennung 109

Infrared-Spectroscopy of Benzodiazepines and Their Derivatives After TLC-Separation

Salles, Luiz Caetano, and **Adilson J. Curtius.** Atomic Absorption Determination of Minor Elements in Rocks and Soils from Lithium Metaborate Flux-Fusion Dissolution 125

Buldini, Pier Luigi, Quintilio Zini, and **Donatella Ferri.** Spectrophotometric Determination of Traces of Arsenic in Semiconductor Silicon 131

Wada, H., T. Ishizuki, H. Kodama, and **G. Nagakawa.** Spectrophotometric Determination of Cobalt in Steel with 2-(2-Thiazolylazo)-4-methyl-5-(sulfomethylamino)benzoic Acid (TAMSMB) 139

Tzouwara-Karayanni, S. M., and **S. M. Philianos.** Kinetic Study of the Chemical Behaviour of Quercetin and Kaempferol in Alkaline Media 151

Euroanalysis 158

No. 3-4

Piccardi, Giovanni, and **Paola Cellini-Legittimo.** A Sampling and Chemical Analysis Procedure for Fumarolic Gases 159

Marczenko, Zygmunt, and **Krzysztof Kalinowski.** Spectrophotometric Determination of Iridium After Flotation of Ion-Associates Formed in Iridium(III)-Tin(II)-Chloride-Malachite Green- or Crystal Violet Systems 169

Gregorowicz, Z., P. Górka, S. Kowalski und **J. Cebula.** Spektralphotometrische Methode zur Bestimmung von Palladium(II) mit Hilfe von Eriochromazurol B und Cetyltrimethylammoniumbromid 181

Spectrophotometric Method for Determination of Palladium(II) by Means of Eriochromazurol B and Cetyltrimethylammonium Bromide

Stanković, B., und **M. Jelikić.** Spektrophotometrische Untersuchung des Komplexes von Kupfer(II) und Mandelhydroxamsäure 187

Spectrophotometric Investigation of the Complex of Copper(II) with Mandelhydroxamic Acid

Santiago, M., A. Navas, J. J. Laserna, and **F. García-Sánchez.** Selective Spectrofluorimetric Determination of Zinc with Benzyl 2-Pyridyl Ketone 2-Quinolylhydrazone and Its Application to Sea-Water Analyses 197

Böhm, Gustav, Gerald Kainz, Helmut Witzani und **Walter Wliszczak.** Bestimmung von Dimethylamin in Luft (im MIK-Bereich) durch Dampfraum-Gaschromatographie 205

Determination of Dimethylamin in Air (in the Range of MIK-Data) by Head Space Gas Chromatography

Fazakas, Janos. Sensitivity Enhancement of Beryllium Determination in Graphite Furnace-Atomic Absorption Spectrometry by Use of Atomization Under Pressure 217

Koch, K. H., M. Kretschmer und **D. Grunenberg.** Versuche zur quantitativen Tiefenprofilanalyse von Stahloberflächen durch Emissionsspektrometrie mit der Glimmlampe 225

Experiments About the Quantitative Depth Profile Analysis of Steel Surfaces by Emission Spectrometry with the Glow Discharge Lamp

Pietrogrande, A., G. Malesani, P. Manzini, and **G. Dalla Fini.** Quantitative Analysis of Methoxyls in Compounds with High Percentages of $-OCH_3$ by Zeisel's Method and NMR Spectroscopy .. 239

Kellner, R., G. St. Nikolov, and **N. Trendafilova.** Fourier Transform Infrared (FTIR) — Attenuated Total Reflectance (ATR) — Spectra of Metal-Dithiocarbamate Single Crystal Surfaces with Polarized Radiation 247

Dienstbach, F., und **K. Bächmann.** Bestimmung von Plutonium in Pflanzen und Böden durch Trennung in der Gasphase und α-Spektroskopie 255

Determination of Plutonium in Plant and Soil Samples by Separation in the Gas Phase and α-Spectroscopy

Furuya, K., Y. Kato, T. Kikuchi, and **Y. Gohshi.** State Analysis of Sulfur in Coal and Coal Fly Ash by Double-Crystal X-Ray Fluorescence Spectrometry 263

Puacz, Wojciech, and **Jolanta Puacz.** An Indirect Flame Emission Spectrometry Method for the Determination of Sulphur and Sulphur Compounds. II 271

Hansen, Niels B. Microdetermination of Lithium with 8-Hydroxyquinoline by the Weisz Ring-Oven Technique, with Separation by Ion-Exchange and Determination by Fluorescence 277

Tamura, H., K. Kumami, K. Kimura, and **T. Shono.** Simultaneous Determination of Sodium and Potassium in Human Urine or Serum Using Coated-Wire Ion-Selective Electrodes Based on Bis(Crown Ether)s 287

Narasimhan, S. V., and **P. Valenta.** Determination of the Speciation of Copper in the Presence of Morpholine in Alkaline Solutions by DC and Differential Pulse Polarography 297

Weisz, Herbert, und **Angelika Ruh.** Vervielfachung durch wechselweise Zugabe einander äquivalenter Mengen zweier Reagenzien ... 313

Amplification by Alternate Addition of Equivalent Amounts of Two Reagents

No. 5-6

Böhm, H., E. M. Kirmse und **U. Schilbach.** Bestimmung sehr geringer Borgehalte durch pH-Differenzmessung 317

Determination of Very Small Contents of Boron by pH Difference Measurements

Magyar, B., and **H. J. Bachmann.** Determination of Fluoride by Two-Phase Titration with Triphenyltinchloride and X-Ray Fluorescence Spectrometric End-Point Determination 327

Južnič, K. On the Behaviour of Cerium(III) in Hydrochloric Acid ... 345

García Montelongo, F., J. J. Arias, F. Jiménez, and **A. I. Jiménez.** Spectrophotometric Determination of Vanadium with 4-(1′H-1′,2′,4′-Triazolyl-3′-azo)-2-methylresorcinol 349

Hornyak, I., and **L. Székelyhidi.** Spectrofluorimetric Method for Determining Trace Quantities of Nitrite Ion 355

Verma, Krishna K., and **Sandhya Palod.** Determination of Ascorbic Acid in Fruits and Pharmaceuticals by Titration with Thallium(III) 361

Alexiev, A. A., and **M. G. Angelova.** A Novel Catalytic Colorimetric Method for the Determination of Nanomolar Cysteine Concentrations in Amino-Acid Mixtures 369

Riekkola, Marja-Liisa. Gas Chromatographic Behaviour of Some Metal Di(trifluoroethyl)- and Di-isobutyldithiocarbamate Chelates on Short Capillary Columns 381

Betzold, Jakob. Beitrag zur Elektronenstrahl-Mikroanalyse von Kunststoffen 391

Contribution to Electron Beam Microanalysis of Plastics

Beaupré, P. W., W. J. Holland, and **L. T. Dupuis.** Alkyl Ketoximes as Analytical Reagents. XXII 401

Shen, Nai-Ku, Wei, Fu-Sheng, Qi, Qi-Ping, and **Chu, Wen-Tien.** Extraction and Spectrophotometric Determination of Nickel Based on the Formation of a Ternary Complex with Cadion and 1,10-Phenanthroline 405

Beaupré, P. W., W. J. Holland, and **D. J. McKenney.** The Solvent Extraction Preconcentration and Atomic Absorption Determination of Cadmium in Natural Waters 415

Sekhon, B. S., G. P. Kaushal, and **I. S. Bhatia.** Use of Zirconium(IV) and Antimony(III) for Structural Investigation of Flavonoids 421

Mánok, F., Cs. Várhelyi, A. Benkö und **J. Horák.** Über Dioximinkomplexe der Übergangsmetalle. LXXII 429

Dioxime Complexes of the Transition Metals. LXXII

Pakalns, P. A Rapid Method for the Estimation of Short- and Long-Term Pollution Potential of Oil Shale 437

Kempf, Theo, and **Manfred Sonneborn.** Application of Atomic Absorption Spectrometry and Plasma Emission Spectrometry to the Determination of Trace Elements in Water 445

Barragán de la Rosa, F. J., J. L. Gómez Ariza, and **F. Pino.** Derivatives of Carbohydrazide, Thiocarbohydrazide and Diaminoguanidine as Photometric Analytical Reagents. II 455

Kuhnert-Brandstätter, Maria, und **Friedrich Pröll.** Thermische Analyse von Hydraten organischer Verbindungen. I 463

Thermal Analysis of Hydrates of Organic Compounds. I

Senk, D., and **G. Borchardt.** Solubility and Diffusivity of Manganese in Silicon at High Temperatures 477

Listed in Current Contents

Author Index

Alexiev, A. A., and *M. G. Angelova.* A Novel Catalytic Colorimetric Method for the Determination of Nanomolar Cysteine Concentrations in Amino-Acid Mixtures. 369.

Angelova, M. G., see *Alexiev, A. A.* 369.

Arias, J. J., see *García Montelongo, F.* 349.

Bachmann, H. J., see *Magyar, B.* 327.

Bächmann, K., see *Dienstbach, F.* 255.

Barragán de la Rosa, F. J., J. L. Gómez Ariza, and *F. Pino.* Derivatives of Carbohydrazide, Thiocarbohydrazide and Diaminoguanidine as Photometric Analytical Reagents. II. 455.

Beaupré, P. W., W. J. Holland, and *L. T. Dupuis.* Alkyl Ketoximes as Analytical Reagents. XXII. 401.

Beaupré, P. W., W. J. Holland, L. T. Dupuis, and *S. B. Horner.* Alkyl Ketoximes as Analytical Reagents. XXI. 65.

Beaupré, P. W., W. J. Holland, and *D. J. McKenney.* The Solvent Extraction Preconcentration and Atomic Absoprtion Determination of Cadmium in Natural Waters. 415.

Benkö, A., see *Mánok, F.* 429.

Betzold, Jakob. Beitrag zur Elektronenstrahlmikroanalyse von Kunststoffen. 391.

Bhatia, I. S., see *Sekhon, B. S.* 421.

Böhm, Gustav, Gerald Kainz, Helmut Witzani und *Walter Wliszczak.* Bestimmung von Dimethylamin in Luft (im MIK-Bereich) durch Dampfraum-Gaschromatographie. 205.

Böhm, H., E. M. Kirmse und *U. Schilbach.* Bestimmung sehr geringer Borgehalte durch pH-Differenzmessung. 317.

Borchardt, G., see *Senk, D.* 477.

Bruno, P., M. Caselli, and *A. Traini.* Hexamethylphosphoramide (HMPA) as a Colour-enhancing Agent for the Thiocyanate Cobalt Complex. New Spot Test for Cobalt Detection. 95.

Buldini, Pier Luigi, Quintilio Zini, and *Donatella Ferri.* Spectrophotometric Determination of Traces of Arsenic in Semiconductor Silicon. 131.

Caselli, M., see *Bruno, P.* 95.

Ceba, M. Román, A. Fernández-Gutiérrez, and *M. C. Mahedero.* Fluorimetric Determination of Mg(II) Traces with 1,8-Dihydroxyanthraquinone. 85.

Cebula, J., see *Gregorowicz, Z.* 181.

Cellini-Legittimo, Paola, see *Piccardi, Giovanni.* 159.

Chu, Wen-Tien, see *Shen, Nai-Kui.* 405.

Curtius, Adilson, J., see *Salles, Luiz Caetano.* 125.

Dalla Fini, G., see *Pietrogrande, A.* 239.

Dienstbach, F., und *K. Bächmann.* Bestimmung von Plutonium in Pflanzen und Böden durch Trennung in der Gasphase und α-Spektroskopie. 255.

Dupuis, L. T., see *Beaupré, P. W.* 65, 401.

Fazakas, Janos. Sensitivity Enhancement of Beryllium Determination in Graphite Furnace-Atomic Absorption Spectrometry by Use of Atomization Under Pressure. 217.

Fernández-Gutiérrez, F., see *Ceba, M. Román.* 85.

Ferri, Donatella, see *Buldini, Pier Luigi*, 131.

Frank, Eduard, see *Sontag, Gerhard.* 1.

Furuya, K., Y. Kato, T. Kikuchi, and *Y. Gohshi.* State Analysis of Sulfur in Coal and Coal Fly Ash by Double-Crystal X-Ray Fluorescence Spectrometry. 263.

García Montelongo, F., J. J. Arias, F. Jiménez, and *A. I. Jiménez.* Spectrophotometric Determination of Vanadium with 4-(1′ H-1′,2′,4′-Triazolyl-3′-azo)-2-methylresorcinol. 349.

García-Sánchez, F., see *Santiago, M.* 197.

Gohshi, Y., see *Furuya, K.* 263.

Gómez, Ariza, J. L., see *Barragán de la Rosa, F. J.* 455.

Górka, P., see *Gregorowicz, Z.* 181.

Gregorowicz, Z., P. Górka, S. Kowalski und *J. Cebula.* Spektralphotometrische Methode zur Bestimmung von Palladium(II) mit Hilfe von Eriochromazurol B und Cetyltrimethylammoniumbromid. 181.

Grunenberg, D., see *Koch, K. H.* 225.

Hadjiioannou, T. P., see *Timotheou-Potamia, M. M.* 59.

Hansen, Niels B. Microdetermination of Lithium with 8-Hydroxyquinoline by the Weisz Ring Oven Technique, with Separation by Ion-Exchange and Determination by Fluorescence. 277.

Hassan, Saad S. M. Laser-Raman and Infrared Spectroscopic Characterization of Some Lanthanide-peri-Dihydroxynaphthindenone Chelates. 23.

Holland, W. J., see *Beaupré, P. W.* 65, 401, 415.

Horák, J., see *Mánok, F.* 429.

Horner, S. B., see *Beaupré, P. W.* 65.

Hornyak, I., and *L. Székelyhidi.* Spectrofluorimetric Method for Determining Trace Quantities of Nitrite Ion. 355.

Ishizuki, T., see *Wada, H.* 139.

Jelikić, M., see *Stanković, B.* 187.

Jiménez, A. I., see *García Montelongo, F.* 349.

Jiménez, F., see *García Montelongo, F.* 349.

Južnič, K. On the Behaviour of Cerium(III) in Hydrochloric Acid. 345.

Kainz, Gerald, see *Böhm, Gustav.* 205.

Kalinowski, Krzysztof, see *Marczenko, Zygmunt.* 169.

Kato, Y., see *Furuya, K.* 263.

Kaushal, G. P., see *Sekhon, B. S.* 421.

Kellner, R., G. St. Nikolov, and *N. Trendafilova.* Fourier Transform (FTIR) — Attenuated Total Reflectance (ATR) — Spectra of Methyl-Dithiocarbamate Single Crystal Surfaces with Polarized Radiation. 247.

Kempf, Theo, and *Manfred Sonneborn.* Application of Atomic Absorption Spectrometry and Plasma Emission Spectrometry to the Determination of Trace Elements in Water. 445.

Kikuchi, T., see *Furuya, K.* 263.

Kimura, K., see *Tamura, H.* 287.

Kirmse, E. M., see *Böhm, H.* 317.

Koch, K. H., M. Kretschmer und *D. Grunenberg.* Versuche zur quantitativen Tiefenprofilanalyse von Stahloberflächen durch Emissionsspektrometrie mit der Glimmlampe. 225.

Kodama, H., see *Wada, H.* 139.

Konuma, Hiroyoshi. Rate of Carbon Contamination on Copper, Iron and Aluminium Targets in Gas Flows by an Electron Microprobe. 99.

Kowalski, S., see *Gregorowicz, Z.* 181.

Kretschmer, M., see *Koch, K. H.* 225.

Kuhnert-Brandstätter, Maria, und *Friedrich Pröll.* Thermische Analyse von Hydraten organischer Verbindungen. I. 463.

Kumami, K., see *Tamura, H.* 287.

Laserna, J. J., see *Santiago, M.* 197.

Magyar, B., and *H. J. Bachmann.* Determination of Fluoride by Two-Phase Titration with Triphenyltinchloride and X-Ray Fluorescence Spectrometric End-Point Determination. 327.

Mahedero, M. C., see *Ceba, M. Román.* 85.

Malesani, G., see *Pietrogrande, A.* 239.

McKenney, D. J., see *Beaupré, P. W.* 415.

Mánok, F., Cs. Várhelyi, A. Benkö und *J. Horák.* Über Dioximinkomplexe der Übergangsmetalle. LXXII. 429.

Manzini, P., see *Pietrogrande, A.* 239.

Marczenko, Zygmunt, and *Krzysztof Kalinowski.* Spectrophotometric Determination of Iridium After Flotation of Ion-Associates Formed in Iridium(III)-Tin(II)-Chloride-Malachite Green- or Crystal Violet Systems. 169.

Murakami, Yukio, see *Yoda, Reiko.* 75.

Nagakawa, G., see *Wada, H.* 139.

Nakamura, Motoshi. Modified Method for the Spectrophotometric Determination of Nitrate in Drinking Water with 4,5-Dihydroxycoumarin. 69.

Narasimhan, S. V., and *P. Valenta.* Determination of the Speciation of Copper in the Presence of Morpholine in Alkaline Solutions by DC and Differential Pulse Polarography. 297.

Navas, A., see *Santiago, M.* 197.

Nikolov, G. St., see *Kellner, R.* 247.

Pakalns, P. A Rapid Method for the Estimation of Short- and Long-Term Pollution Potential of Oil Shale. 437.

Palod, Sandhya, see *Verma, Krishna K.* 361.

Philianos, S. M., see *Tzouwara-Karayanni, S. M.* 151.

Piccardi, Giovanni, and *Paola Cellini-Legittimo.* A Sampling and Chemical Analysis Procedure for Fumarolic Gases. 159.

Pietrogrande, A., G. Malesani, P. Manzini, and *G. Dalla Fini.* Quantitative Analysis of Methoxyls in Compounds of $-OCH_3$ by Zeisel's Method and NMR Spectroscopy. 239.

Pino, F., see *Barragán de la Rosa.* 455.

Pröll, Friedrich, see *Kuhnert-Brandstätter, Maria.* 463.

Puacz, Jolanta, see *Puacz, Wojciech.* 271.

Puacz, Wojciech, and *Jolanta Puacz.* An Indirect Flame Emission Spectrometry Method for the Determination of Sulphur and Sulphur Compounds. II. 271.

Qi, Qi-Ping, see *Shen, Nai-Kui.* 405.

Riekkola, Marja-Liisa. Gas Chromatographic Behaviour of Some Metal Di(trifluoroethyl)- and Di-isobutyldithiocarbamate Chelates on Short Capillary Columns. 381.

Ruh, Angelika, see *Weisz, Herbert.* 313.

Salles, Luiz Caetano, and *Adilson J. Curtius.* Atomic Absorption Determination of Minor Elements in Rocks and Soils from Lithium Metaborate Flux-Fusion Dissolution. 125.

Santiago, M., A. Navas, J. J. Laserna, and *F. García-Sánchez.* Selective Spectrofluorimetric Determination of Zinc with Benzyl 2-Pyridyl Ketone 2-Quinolylhydrazone and Its Application to Sea-Water Analysis. 197.

Schilbach, U., see *Böhm, H.* 317,

Schütz, H., und *S. Suphachearabhan.* Infrarot-Spektroskopie von Benzodiazepinen und ihren Derivaten nach dünnschichtchromatographischer Trennung. 109.

Sekhon, B. S., G. P. Kaushal, and *I. S. Bhatia.* Use of Zirconium(IV) and Antimony(III) for Structural Investigation of Flavonoids. 421.

Senk, D., and *G. Borchardt.* Solubility and Diffusivity of Manganese in Silicon at High Temperatures. 477.

Shen, Nai-Kui, see *Wei, Fu-Sheng.* 17.

Shen, Nai-Kui, Wei, Fu-Sheng, Qi, Qi-Ping, and *Chu, Wen-Tien.* Extraction and Spectrophotometric Determination of Nickel based on the Formation of a Ternary Complex with Cadion and 1,10-Phenanthroline. 405.

Shono, T., see *Tamura, H.* 287.

Song, Quing-gao, see *Wei, Fu-sheng.* 17.

Sonneborn, Manfred, see *Kempf, Theo.* 445.

Sontag, Gerhard, und *Eduard Frank.* Charakteristik eines amperometrischen Durchflußdetektors mit zwei bzw. drei Elektroden. 1.

Stanković, B., und *M. Jelikić.* Spektrophotometrische Untersuchung des Komplexes von Kupfer(II) und Mandelhydroxamsäure. 187.

Suphachearabhan, S., see *Schütz, H.* 109.

Székelyhidi, L., see *Hornyak, I.* 355.

Tamura, H., K. Kumami, K. Kimura, and *T. Shono*. Simultaneous Determination of Sodium and Potassium in Human Urine or Serum Using Coated-Wire Ion-Selective Electrodes Based on Bis-(Crown Ether)s. 287.

Timotheou-Potamia, M. M., and *T. P. Hadjiioannou*. Catalytic Titration of Iodide in Table Salts. 59.

Traini, A., see *Bruno, P.* 95.

Trendafilova, N., see *Kellner, R.* 247.

Tzouwara-Karayanni, S. M., and *S. M. Philianos*. Linetic Study of the Chemical Behavior of Quercetin and Kaempferol in Alkaline Media. 151.

Valenta, P., see *Narasimhan, S. V.* 297.

Várhelyi, Cs., see *Mánok, F.* 429.

Verma, Krishna K., and *Sandhya Palod*. Determination of Ascorbic Acid in Fruits and Pharmaceuticals by Titration with Thallium(III). 361.

Wada, H., T. Ishizuki, H. Kodama, and *G. Nagakawa*. Spectrophotometric Determination of Cobalt in Steel with 2-(2-Thiazolylazo)-4-methyl-5-(sulfomethylamino)-benzoic Acid (TAMSMB). 139.

Wei, Fu-Sheng, see *Shen, Nai-Kui.* 405.

Wei, Fu-sheng, Song, Quing-gao, Yin, Fang, and *Shen, Nai-kui*. Spectrophotometric Determination of Iron in Aluminium Alloys Using 2-(5-Bromo-2-pyridylazo)-5-diethylaminophenol. 17.

Weisz, Herbert, und *Angelika Ruh*. Vervielfachung durch wechselweise Zugabe einander äquivalenter Mengen zweier Reagenzien. 313.

Weitkamp, Horst, und *Dieter Wortig*. Vollautomatische Identitätsprüfung von Arzneimitteln durch rechnergekoppelte IR-Spektroskopie. 31.

Witzani, Helmut, see *Böhm, Gustav.* 205.

Wliszczak, Walter, see *Böhm, Gustav.* 205.

Wortig, Dieter, see *Weitkamp, Horst.* 31.

Yamamoto, Yuichi, see *Yoda, Reiko.* 75.

Yin, Fang, see *Wei, Fu-sheng.* 17.

Yoda, Reiko, Yuichi Yamamoto, and *Yukio Murakami*. N,N-Dimethyl-N′-(4-p-nitrophenyl-5-nitro-2-thiazolyl)thiourea. A New Chelating Agent for Palladium. 75.

Zini, Quintilio, see *Buldini, Pier Luigi.* 131.